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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the
present
NEWS 4 Jul 15 Data from 1960-1976 added to RDISCLOSURE
NEWS 5 Jul 21 Identification of STN records implemented
NEWS 6 Jul 21 Polymer class term count added to REGISTRY
NEWS 7 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and
Right Truncation available
NEWS 8 AUG 05 New pricing for EUROPATFULL and PCTFULL effective
August 1, 2003
NEWS 9 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 10 AUG 15 PATDPAFULL: one FREE connect hour, per account, in
September 2003
NEWS 11 AUG 15 PCTGEN: one FREE connect hour, per account, in
September 2003
NEWS 12 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in
September 2003
NEWS 13 AUG 15 TEMA: one FREE connect hour, per account, in
September 2003
NEWS 14 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 15 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 16 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 17 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 18 SEP 22 DIPPR file reloaded

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
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NEWS HOURS STN Operating Hours Plus Help Desk Availability
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FILE 'USPATFULL' ENTERED AT 15:49:54 ON 22 SEP 2003

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Sep 2003 (20030918/PD)
FILE LAST UPDATED: 18 Sep 2003 (20030918/ED)
HIGHEST GRANTED PATENT NUMBER: US6622308
HIGHEST APPLICATION PUBLICATION NUMBER: US2003177560
CA INDEXING IS CURRENT THROUGH 18 Sep 2003 (20030918/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Sep 2003 (20030918/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2003
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
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>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
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>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s cartridge (p) thermocycl?
82420 CARTRIDGE
3966 THERMOCYCL?
L1 10 CARTRIDGE (P) THERMOCYCL?

=> d 1-10 ti

L1 ANSWER 1 OF 10 USPATFULL on STN
TI Novel G protein-coupled receptor

L1 ANSWER 2 OF 10 USPATFULL on STN
TI Novel G protein-coupled receptors

L1 ANSWER 3 OF 10 USPATFULL on STN
TI Nucleic acids and polypeptides

L1 ANSWER 4 OF 10 USPATFULL on STN
TI PanCAM nucleic acids and polypeptides

L1 ANSWER 5 OF 10 USPATFULL on STN
TI Novel G protein-coupled receptors

L1 ANSWER 6 OF 10 USPATFULL on STN
TI Novel G protein-coupled receptors

L1 ANSWER 7 OF 10 USPATFULL on STN
TI Novel G protein-coupled receptors

L1 ANSWER 8 OF 10 USPATFULL on STN

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TI Novel G protein-coupled receptors

L1 ANSWER 9 OF 10 USPATFULL on STN

TI Cystic fibrosis gene

L1 ANSWER 10 OF 10 USPATFULL on STN

TI Method of detecting and grading dysplasia in epithelial tissue

=> d 10 kwic

L1 ANSWER 10 OF 10 USPATFULL on STN

SUMM . . . from Accurate Scientific (Westbury, N.Y.). 125 I-labeled secondary immunoglobulin G (IgG) was from Du Pont-New England Nuclear (Boston, Mass.). All **thermocycling** reactions were performed in a PTC-100 programmable thermal controller (M.J. Research, Watertown, Mass.). Taq polymerase and fmol double-stranded sequencing kits. . . were synthesized by the Yale Department of Pathology DNA Synthesis Laboratory on an Applied Sciences model 380A synthesizer with subsequent **cartridge** purification.

=>

=> s (PCR or polymerase (w) chain)

49139 PCR

48460 POLYMERASE

472707 CHAIN

32741 POLYMERASE (W) CHAIN

L2 50547 (PCR OR POLYMERASE (W) CHAIN)

=> s l2 (7a) cartridge#

92781 CARTRIDGE#

L3 79 L2 (7A) CARTRIDGE#

=> d 1-79 ti

L3 ANSWER 1 OF 79 USPATFULL on STN

TI Method for the rapid and ultra-sensitive detection of leukemic cells

L3 ANSWER 2 OF 79 USPATFULL on STN

TI Anti- α v β 3 recombinant human antibodies, nucleic acids encoding same and methods of use

L3 ANSWER 3 OF 79 USPATFULL on STN

TI Component comprising a plurality of fiber elements and sample molecules that are immobilized on said fiber elements

L3 ANSWER 4 OF 79 USPATFULL on STN

TI Recombinant bacterial system with environmentally limited viability

L3 ANSWER 5 OF 79 USPATFULL on STN

TI DNA diagnostics based on mass spectrometry

L3 ANSWER 6 OF 79 USPATFULL on STN

TI Anti- α v β 3 recombinant human antibodies, nucleic acids encoding same

L3 ANSWER 7 OF 79 USPATFULL on STN

TI Targeting antigens to the MHC class I processing pathway with an anthrax toxin fusion protein

L3 ANSWER 8 OF 79 USPATFULL on STN

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TI Method and apparatus for testing toner cartridges

L3 ANSWER 9 OF 79 USPATFULL on STN
TI Flower organ-specific gene and its promoter sequence

L3 ANSWER 10 OF 79 USPATFULL on STN
TI Production of plants either transformed with the protoporphyrinogen IX binding subunit of a magnesium chelatase or a ferrochelatase having increased herbicide resistance

L3 ANSWER 11 OF 79 USPATFULL on STN
TI Method for isolating nucleic acid and a cartridge for chemical reaction and for nucleic acid isolation

L3 ANSWER 12 OF 79 USPATFULL on STN
TI Display of viral proteins

L3 ANSWER 13 OF 79 USPATFULL on STN
TI Anti- $\alpha v \beta 3$ recombinant human antibodies and nucleic acids encoding same

L3 ANSWER 14 OF 79 USPATFULL on STN
TI Approaches to identify genetic traits

L3 ANSWER 15 OF 79 USPATFULL on STN
TI Plants characterized by enhanced growth and methods and nucleic acid constructs useful for generating same

L3 ANSWER 16 OF 79 USPATFULL on STN
TI Compositions and methods for producing enhanced antibodies

L3 ANSWER 17 OF 79 USPATFULL on STN
TI PCR method

L3 ANSWER 18 OF 79 USPATFULL on STN
TI Methods and compositions for transposition using minimal segments of the eukaryotic transformation vector piggybac

L3 ANSWER 19 OF 79 USPATFULL on STN
TI Method for processing a nucleic acid sample by swinging a segment of a cartridge wall, a system and a cartridge for performing such a method

L3 ANSWER 20 OF 79 USPATFULL on STN
TI Solid phase enzyme kinetics screening in microcolonies

L3 ANSWER 21 OF 79 USPATFULL on STN
TI Method for processing a nucleic acid sample by oscillating a cartridge, a system and a cartridge for performing such a method

L3 ANSWER 22 OF 79 USPATFULL on STN
TI Diagnostics based on mass spectrometry

L3 ANSWER 23 OF 79 USPATFULL on STN
TI Floral organ-specific gene and its promoter sequence

L3 ANSWER 24 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 25 OF 79 USPATFULL on STN
TI Riboflavin synthase genes and enzymes and methods of use

L3 ANSWER 26 OF 79 USPATFULL on STN

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TI TRAF-3 deletion isoforms and uses thereof

L3 ANSWER 27 OF 79 USPATFULL on STN
TI Approaches to identify genetic traits

L3 ANSWER 28 OF 79 USPATFULL on STN
TI Integrated fluid manipulation cartridge

L3 ANSWER 29 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 30 OF 79 USPATFULL on STN
TI Diagnostic assay for diabetes mellitus based on mutational burden

L3 ANSWER 31 OF 79 USPATFULL on STN
TI HEMATOPOIETIC STEM CELL GROWTH FACTOR (SCGF)

L3 ANSWER 32 OF 79 USPATFULL on STN
TI Device for thermo-dependent chain reaction amplification of target nucleic acid sequences, measured in real-time

L3 ANSWER 33 OF 79 USPATFULL on STN
TI Nucleic acid encoding a TRAF-3 deletion isoform

L3 ANSWER 34 OF 79 USPATFULL on STN
TI Method of attaching a biopolymer to a solid support

L3 ANSWER 35 OF 79 USPATFULL on STN
TI Apparatus for analyzing a fluid sample

L3 ANSWER 36 OF 79 USPATFULL on STN
TI Device incorporating a microfluidic chip for separating analyte from a sample

L3 ANSWER 37 OF 79 USPATFULL on STN
TI Lumazine and riboflavin synthase

L3 ANSWER 38 OF 79 USPATFULL on STN
TI Targeting antigens to the MHC class I processing pathway with an anthrax toxin fusion protein

L3 ANSWER 39 OF 79 USPATFULL on STN
TI Device for lysing cells, spores, or microorganisms

L3 ANSWER 40 OF 79 USPATFULL on STN
TI Method for detecting mutated alleles

L3 ANSWER 41 OF 79 USPATFULL on STN
TI Enhancing inorganic carbon fixation by photosynthetic organisms

L3 ANSWER 42 OF 79 USPATFULL on STN
TI Method for separating analyte from a sample

L3 ANSWER 43 OF 79 USPATFULL on STN
TI Device and method for lysing cells, spores, or microorganisms

L3 ANSWER 44 OF 79 USPATFULL on STN
TI Method for producing DNA chip

L3 ANSWER 45 OF 79 USPATFULL on STN
TI Riboflavin synthase genes and enzymes and methods of use

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L3 ANSWER 46 OF 79 USPATFULL on STN
TI Miniaturized genetic analysis systems and methods

L3 ANSWER 47 OF 79 USPATFULL on STN
TI Device for analyzing a fluid sample

L3 ANSWER 48 OF 79 USPATFULL on STN
TI Lumazine synthase and riboflavin synthase

L3 ANSWER 49 OF 79 USPATFULL on STN
TI Enhancing inorganic carbon fixation by photosynthetic organisms

L3 ANSWER 50 OF 79 USPATFULL on STN
TI Electrical contact device for a developer roller

L3 ANSWER 51 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 52 OF 79 USPATFULL on STN
TI Stage separation system and method

L3 ANSWER 53 OF 79 USPATFULL on STN
TI ANTI-ALPHAVBETA3 RECOMBINANT HUMAN ANTIBODIES, NUCLEIC ACIDS ENCODING
SAME AND METHODS OF USE

L3 ANSWER 54 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 55 OF 79 USPATFULL on STN
TI PROGRESSION ELEVATED GENE-3 AND USES THEREOF

L3 ANSWER 56 OF 79 USPATFULL on STN
TI Method for analyzing a fluid sample

L3 ANSWER 57 OF 79 USPATFULL on STN
TI ANTI-ALPHA V BETA 3 RECOMBINANT HUMAN ANTIBODIES, NUCLEIC ACIDS ENCODING
SAME AND METHODS OF USE

L3 ANSWER 58 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 59 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 60 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 61 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 62 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 63 OF 79 USPATFULL on STN
TI DNA diagnostics based on mass spectrometry

L3 ANSWER 64 OF 79 USPATFULL on STN
TI Miniaturized genetic analysis systems and methods

L3 ANSWER 65 OF 79 USPATFULL on STN
TI Lumazine synthase and riboflavin synthase

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L3 ANSWER 66 OF 79 USPATFULL on STN
 TI Apparatus and method for nucleic acid isolation using supercritical fluids

L3 ANSWER 67 OF 79 USPATFULL on STN
 TI Method of detecting the presence and measuring the quantity of biological polymers

L3 ANSWER 68 OF 79 USPATFULL on STN
 TI 3,4-dihydroxy-2-butanone 4-phosphate synthase

L3 ANSWER 69 OF 79 USPATFULL on STN
 TI DNA diagnostics based on mass spectrometry

L3 ANSWER 70 OF 79 USPATFULL on STN
 TI Bovine rotavirus genes

L3 ANSWER 71 OF 79 USPATFULL on STN
 TI Method for nucleic acid isolation using supercritical fluids

L3 ANSWER 72 OF 79 USPATFULL on STN
 TI Solid phase enzyme kinetics screening in microcolonies

L3 ANSWER 73 OF 79 USPATFULL on STN
 TI Affinity-based purification of oligonucleotides using soluble multimeric oligonucleotides

L3 ANSWER 74 OF 79 USPATFULL on STN
 TI Method for the rapid and ultra-sensitive detection of leukemic cells

L3 ANSWER 75 OF 79 USPATFULL on STN
 TI Delivery and expression of heterologus genes using upstream enhancer regions of mammalian gene promoters

L3 ANSWER 76 OF 79 USPATFULL on STN
 TI Anthrax toxin fusion proteins and related methods

L3 ANSWER 77 OF 79 USPATFULL on STN
 TI Anthrax toxin fusion proteins, nucleic acid encoding same

L3 ANSWER 78 OF 79 USPATFULL on STN
 TI Method for the rapid and ultra-sensitive detection of leukemic cells

L3 ANSWER 79 OF 79 USPATFULL on STN
 TI Charge roller contact stabilizer spring

=> d 44, 56, 64 bib ab kwic

L3 ANSWER 44 OF 79 USPATFULL on STN

Full Text

AN 2002:69799 USPATFULL
 TI Method for producing DNA chip
 IN Hirota, Toshikazu, Owariasahi, JAPAN
 Noritake, Motoo, Ichinomiya, JAPAN
 PA NGK Insulators, Ltd., Nagoya, JAPAN (non-U.S. corporation)
 PI US 6365378 B1 20020402
 AI US 2000-694157 20001023 (9)
 PRAI JP 1999-301627 19991022
 JP 2000-89979 20000328
 DT Utility
 FS GRANTED

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EXNAM Primary Examiner: Horlick, Kenneth R.; Assistant Examiner: Strzelecka, Teresa

LREP Burr Brown

CLMN Number of Claims: 16

ECL Exemplary Claim: 1

DRWN 11 Drawing Figure(s); 9 Drawing Page(s)

LN.CNT 824

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A PCR product is prepared by PCR-amplifying a DNA fragment. The PCR product is then dried to prepare a DNA powder. The DNA powder is then charged into a sample-pouring port of each of the micropipettes of a dispenser. Subsequently, a buffer solution is poured from the sample-pouring port into a cavity to prepare a sample solution. After completion of the preparation of the sample solution in the cavity, an actuator section is driven to discharge and supply the sample solution onto a base plate.

SUMM . . . the sample solution, the sample solution is prepared by PCR-amplifying a DNA fragment in a preparation vessel such as a cartridge beforehand to prepare a PCR product, drying the obtained PCR product to give DNA powder, and dissolving the obtained DNA powder in a buffer solution.

L3 ANSWER 56 OF 79 USPATFULL on STN

Full Text

AN 2001:128624 USPATFULL

TI Method for analyzing a fluid sample

IN Petersen, Kurt E., Santa Clara, CA, United States
Taylor, Michael T., Newark, CA, United States
Pourahmadi, Farzad, Fremont, CA, United States
McMillan, William A., Cupertino, CA, United States
Chang, Ronald, Redwood City, CA, United States
Sakai, Stanley H., Cupertino, CA, United States
Ching, Jesus, Santa Clara, CA, United States
Dority, Douglas B., Mill Valley, CA, United States
Belgrader, Phillip, Manteca, CA, United States
Northrup, M. Allen, Berkeley, CA, United States

PA Cepheid (U.S. corporation)

PI US 2001012612 A1 20010809

AI US 2001-800590 A1 20010306 (9)

RLI Division of Ser. No. US 2000-583807, filed on 30 May 2000, PENDING
Continuation-in-part of Ser. No. US 1999-331911, filed on 25 Jun 1999, PENDING

PRAI US 1999-136703P 19990528 (60)

DT Utility

FS APPLICATION

LREP William Schmonsees, Heller Ehrman White McAuliffe, 275 Middlefield Road, Menlo Park, CA, 94025-3506

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN 39 Drawing Page(s)

LN.CNT 2574

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for separating a desired analyte from a fluid sample comprises the steps of introducing the sample into a cartridge having a sample flow path and a lysing chamber in the sample flow path. The lysing chamber contains at least one filter for separating cells or viruses from the sample. The sample is forced to flow through the sample flow path, thereby capturing the cells or viruses with the filter as the sample flows through the chamber. The ratio of the volume of sample forced to flow through the chamber to the volume capacity of the chamber is preferably at least 2:1, and the volume of sample forced to flow through the chamber is preferably at least 100 microliters. The captured

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cells or viruses are disrupted to release the analyte therefrom, and the analyte is eluted from the chamber.

DETD . . . to the structure and operation of the cartridge and instrument are possible in alternative embodiments. For example, although amplification by PCR is presently preferred, the **cartridge** and instrument may be used to amplify nucleic acid sequences using any amplification method, including both thermal cycling amplification methods. . . .

L3 ANSWER 64 OF 79 USPATFULL on STN

Full Text

AN 2001:1636 USPATFULL
 TI Miniaturized genetic analysis systems and methods
 IN Anderson, Rolfe C., Saratoga, CA, United States
 Lipshutz, Robert J., Palo Alto, CA, United States
 Rava, Richard P., Redwood City, CA, United States
 Fodor, Stephen P. A., Palo Alto, CA, United States
 PA Affymetrix, Inc., Santa Clara, CA, United States (U.S. corporation)
 PI US 6168948 B1 20010102
 AI US 1998-5985 19980112 (9)
 RLI Continuation-in-part of Ser. No. US 1997-992025, filed on 17 Dec 1997, now abandoned Continuation-in-part of Ser. No. US 1996-589027, filed on 19 Jan 1996, now patented, Pat. No. US 5856174 Continuation-in-part of Ser. No. US 1996-671928, filed on 27 Jun 1996, now patented, Pat. No. US 5922591
 PRAI US 1997-43490P 19970410 (60)
 US 1995-703P 19950629 (60)
 US 1995-859P 19950705 (60)
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Beisner, William H.
 LREP Townsend and Townsend and Crew LLP
 CLMN Number of Claims: 6
 ECL Exemplary Claim: 1,3,4
 DRWN 97 Drawing Figure(s); 62 Drawing Page(s)
 LN.CNT 4300
 AB The present invention provides a miniaturized integrated nucleic acid diagnostic device and system which includes a nucleic acid extraction zone including nucleic acid binding sites.
 DRWD FIG. 51 illustrates a top view of a polycarbonate **cartridge** for simultaneously performing preparative reactions including PCR, fragmentation, and labeling on four separate samples. PCR reactions.
 DETD . . . produce a high concentration of DNA product. This combination creates the danger of cross-contamination leading to erroneous results. A disposable **cartridge** may, for example, contaminate an instrument through PCR-product aerosols that could find their way into cartridges used in subsequent tests.
 DETD In another aspect of the invention, as shown in FIG. 51, a polycarbonate **cartridge** 6200 for performing PCR reactions is provided. When operating with associated instrumentation under computer control, the cartridge is adapted to simultaneously perform the following. . . .
 DETD Using such a polycarbonate **cartridge** coated with silicone and parylene, respectively, a PCR reaction was carried out for Cyp450 multiplex PCR comprising: an initial departure step of 95° C. for 3 minutes, 45. . . .
 DETD . . . valves and hydrophobic vents. First, the user injects the PCR mixture with template and the IVT reaction mixture into the **cartridge**. The PCR mix is thermally cycled in the reaction chamber while the IVT mixture is stored in an adjacent chamber held at. . . .
 DETD . . . first system, all thermal control and fluid movement are all accomplished using a computer connected to peltier devices, solenoid valves, **cartridge**-based diaphragm valves and vents. First, the PCR

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and IVT mixtures are loaded into storage chambers and maintained at 3° C. Next, a lysate solution with a plasmid. . .
DETD 3. SYS-03 **PCR** through Hybridization in One **Cartridge**

=>

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NEWS 11 AUG 15 PCTGEN: one FREE connect hour, per account, in
September 2003
NEWS 12 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in
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NEWS 16 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 17 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 18 SEP 22 DIPPR file reloaded

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MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Sep 2003 (20030918/PD)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2003
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2003

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>>> USPAT2 is now available.  USPATFULL contains full text of the  <<<
>>> original, i.e., the earliest published granted patents or  <<<
>>> applications.  USPAT2 contains full text of the latest US  <<<
>>> publications, starting in 2001, for the inventions covered in  <<<
>>> USPATFULL.  A USPATFULL record contains not only the original  <<<
>>> published document but also a list of any subsequent  <<<
>>> publications.  The publication number, patent kind code, and  <<<
>>> publication date for all the US publications for an invention  <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL  <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc.  <<<
```

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>>> USPATFULL and USPAT2 can be accessed and searched together  <<<
>>> through the new cluster USPATALL.  Type FILE USPATALL to  <<<
>>> enter this cluster.  <<<
>>>  <<<
>>> Use USPATALL when searching terms such as patent assignees,  <<<
>>> classifications, or claims, that may potentially change from  <<<
>>> the earliest to the latest publication.  <<<
```

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```
=> s (PCR or polymerase (W)CHAIN) (p) (chromatograph? or capillary (3a) electrophoresis)
    49139 PCR
    48460 POLYMERASE
    472707 CHAIN
    225371 CHROMATOGRAPH?
    77738 CAPILLARY
    58745 ELECTROPHORESIS
L1    5985 (PCR OR POLYMERASE (W)CHAIN) (P) (CHROMATOGRAPH? OR CAPILLARY
      (3A) ELECTROPHORESIS)
```

```
=> s (PCR or polymerase (W)CHAIN) (9a) (chromatograph? or capillary (3a) electrophoresis)
    49139 PCR
    48460 POLYMERASE
    472707 CHAIN
    225371 CHROMATOGRAPH?
    77738 CAPILLARY
    58745 ELECTROPHORESIS
L2    673 (PCR OR POLYMERASE (W)CHAIN) (9A) (CHROMATOGRAPH? OR CAPILLARY
      (3A) ELECTROPHORESIS)
```

```
=> s flow (3a) cytometr? (3a) blood (3a) count?
    1296107 FLOW
    11508 CYTOMETR?
    195803 BLOOD
    903343 COUNT?
L3    25 FLOW (3A) CYTOMETR? (3A) BLOOD (3A) COUNT?
```

```
=> s 12 and 13
L4    0 L2 AND L3
```

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=> d 13 1-25 ti

L3 ANSWER 1 OF 25 USPATFULL on STN
TI Companion cartridge for disposable diagnostic sensing platforms

L3 ANSWER 2 OF 25 USPATFULL on STN
TI Methods of inducing organ transplant tolerance and correcting hemoglobinopathies

L3 ANSWER 3 OF 25 USPATFULL on STN
TI Reagent and process for the identification and counting of biological cells

L3 ANSWER 4 OF 25 USPATFULL on STN
TI Method of transplantation using chemotherapy-treated allogeneic cells that enhance immune responses without graft versus host disease

L3 ANSWER 5 OF 25 USPATFULL on STN
TI Polynucleotides encoding T-cell selective interleukin-4 agonists

L3 ANSWER 6 OF 25 USPATFULL on STN
TI Nucleic acids obtained from the envelope coding region of feline immunodeficiency virus molecular clone designated JSY3

L3 ANSWER 7 OF 25 USPATFULL on STN
TI Method of screening a compound for its ability to enhance the ability of tristetraprolin to inhibit tumor necrosis factor

L3 ANSWER 8 OF 25 USPATFULL on STN
TI T-cell selective interleukin-4 agonists

L3 ANSWER 9 OF 25 USPATFULL on STN
TI Reagent and method for classifying leukocytes by flow cytometry

L3 ANSWER 10 OF 25 USPATFULL on STN
TI DNA encoding human a erythropoietin analog

L3 ANSWER 11 OF 25 USPATFULL on STN
TI Treatment of vascular graft implants with G-CSF

L3 ANSWER 12 OF 25 USPATFULL on STN
TI Therapeutic agent for treating joint diseases associated with arthritis

L3 ANSWER 13 OF 25 USPATFULL on STN
TI Method for preparation and analysis of leukocytes in whole blood

L3 ANSWER 14 OF 25 USPATFULL on STN
TI Feline immunodeficiency virus isolate NCSU1

L3 ANSWER 15 OF 25 USPATFULL on STN
TI Screening kit and method for diagnosing chronic immune dysfunction syndrome

L3 ANSWER 16 OF 25 USPATFULL on STN
TI Screening method for chronic immune dysfunction syndrome

L3 ANSWER 17 OF 25 USPATFULL on STN
TI Feline immunodeficiency virus isolate NCSU1Lb

L3 ANSWER 18 OF 25 USPATFULL on STN
TI Methods for detection and quantification of cell subsets within

STN Columbus

subpopulations of a mixed cell population

L3 ANSWER 19 OF 25 USPATFULL on STN
TI Non-specific immune system enhancement

L3 ANSWER 20 OF 25 USPATFULL on STN
TI Method for accurately enumerating and sensitively qualifying heterogenous cell populations in cytolytic processing conditions

L3 ANSWER 21 OF 25 USPATFULL on STN
TI Immunoassay for determination of cells

L3 ANSWER 22 OF 25 USPATFULL on STN
TI Method for classifying leukocytes by flow cytometry

L3 ANSWER 23 OF 25 USPATFULL on STN
TI Reagent for classifying leukocytes by flow cytometry

L3 ANSWER 24 OF 25 USPATFULL on STN
TI Stabilized lyophilized mammalian cells and method of making same

L3 ANSWER 25 OF 25 USPATFULL on STN
TI Method and apparatus for determining the count per unit volume of particles

=> s l3 and cartridge?

92786 CARTRIDGE?

L5 1 L3 AND CARTRIDGE?

=> d bib

L5 ANSWER 1 OF 1 USPATFULL on STN

Full Text

AN 2003:106178 USPATFULL
TI Companion **cartridge** for disposable diagnostic sensing platforms
IN Mauze, Ganapati R., Sunnyvale, CA, UNITED STATES
Greenstein, Michael, Los Altos, CA, UNITED STATES
Templin, Catherine K., Portola Valley, CA, UNITED STATES
Lum, Paul, Los Altos, CA, UNITED STATES
Leonard, Leslie, Portola Valley, CA, UNITED STATES
Boecker, Dirk, Palo Alto, CA, UNITED STATES
PI US 2003073089 A1 20030417
AI US 2001-982307 A1 20011016 (9)
DT Utility
FS APPLICATION
LREP AGILENT TECHNOLOGIES, INC., Legal Department, DL429, Intellectual Property Administration, P.O. Box 7599, Loveland, CO, 80537-0599
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 451
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l3 9 bib ab

L3 ANSWER 9 OF 25 USPATFULL on STN

Full Text

AN 1999:85300 USPATFULL
TI Reagent and method for classifying leukocytes by flow cytometry
IN Sakata, Takashi, Kakogawa, Japan

STN Columbus

Kuroda, Tomoyuki, Kakogawa, Japan
 PA Toa Medical Electronics Co., Ltd., Kobe, Japan (non-U.S. corporation)
 PI US 5928949 19990727
 AI US 1993-153767 19931117 (8)
 RLI Continuation of Ser. No. US 1992-947784, filed on 18 Sep 1992, now patented, Pat. No. US 5296378 which is a continuation of Ser. No. US 1991-663090, filed on 28 Feb 1991, now patented, Pat. No. US 5175109 which is a continuation of Ser. No. US 1987-91663, filed on 1 Sep 1987, now abandoned
 PRAI JP 1986-213716 19860910
 JP 1986-282697 19861127
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Snay, Jeffrey
 LREP Fitch, Even, Tabin Flannery
 CLMN Number of Claims: 4
 ECL Exemplary Claim: 1
 DRWN 20 Drawing Figure(s); 9 Drawing Page(s)
 LN.CNT 1100
 AB A reagent and a method for classifying leukocytes with a flow cytometer by means of optical measurements on fluorochrome-stained blood cells are included.

The reagent and the method are useful in the practice of clinical testing.

=> d his

(FILE 'HOME' ENTERED AT 19:53:11 ON 22 SEP 2003)

FILE 'USPATFULL' ENTERED AT 19:53:56 ON 22 SEP 2003

L1 5985 S (PCR OR POLYMERASE (W)CHAIN) (P) (CHROMATOGRAPH? OR CAPILLARY
 L2 673 S (PCR OR POLYMERASE (W)CHAIN) (9A) (CHROMATOGRAPH? OR CAPILLAR
 L3 25 S FLOW (3A) CYTOMETR? (3A) BLOOD (3A) COUNT?
 L4 0 S L2 AND L3
 L5 1 S L3 AND CARTRIDGE?

=> s (PCR or polymerase(w)chain) (9a) capillary (3a) electrophor?

49139 PCR
 48460 POLYMERASE
 472707 CHAIN
 77738 CAPILLARY
 68167 ELECTROPHOR?

L6 229 (PCR OR POLYMERASE(W)CHAIN) (9A) CAPILLARY (3A) ELECTROPHOR?

=> s 16 (p) microcapillar?

919 MICROCAPILLAR?

L7 0 L6 (P) MICROCAPILLAR?

=> s 16 (9a) column

422954 COLUMN

L8 1 L6 (9A) COLUMN

=> d bib kwic

L8 ANSWER 1 OF 1 USPATFULL on STN

Full Text

AN 2000:131278 USPATFULL

TI Integrated polymerase chain reaction/electrophoresis instrument

IN Andresen, Brian D., Livermore, CA, United States

PA The Regents of the University of California, Oakland, CA, United States

STN Columbus

(U.S. corporation)
 PI US 6126804 20001003
 AI US 1997-935936 19970923 (8)
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Warden, Jill; Assistant Examiner: Starsiak, Jr., John S.
 LREP Carnahan, L. E., Thompson, Alan H.
 CLMN Number of Claims: 18
 ECL Exemplary Claim: 1
 DRWN 6 Drawing Figure(s); 4 Drawing Page(s)
 LN.CNT 497

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

CLM What is claimed is:

- . . . The instrument of claim 1, additionally including another well for containing buffer material located at an end of said capillary column opposite said one end connected to said wells for **polymerase chain reactions** and for **capillary electrophoresis** buffer material.
- . . . A system which detects and identifies organisms by polymerase chain reactions followed by capillary electrophoresis, comprising: an integrated polymerase chain reaction/**capillary electrophoresis** instrument which includes at least one well for **polymerase chain reactions**, at least one capillary column, at least one well for capillary electrophoresis buffer material, and means for detecting material passing through said at least one. . .

=> s 18 and lysis

29103 LYSIS

L9 0 L8 AND LYSIS

=> s 18 and lys?

102125 LYS?

L10 0 L8 AND LYS?

=> s 18 and cell

427209 CELL

L11 0 L8 AND CELL

=> s 18 and cell?

699793 CELL?

L12 0 L8 AND CELL?

=>